2009/10

RESEARCH FUNDING AT ALBERTA'S COMPREHENSIVE ACADEMIC AND RESEARCH INSTITUTIONS

Alberta

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REPORT PREFACE

The *Research Funding at Alberta's Comprehensive Academic and Research Institutions* report is produced annually by the Research Capacity Planning branch of Enterprise and Advanced Education (EAE). Data derived from this report comprise a performance measure in *Measuring Up*, a component of the Government of Alberta's (GoA's) Annual Report, and the Business Plan and Annual Report for the Ministry of EAE.

Data included in this report are that of Alberta's Comprehensive Academic and Research Institutions (CARIs) only (Universities of Alberta, Calgary and Lethbridge, and Athabasca University), and do not provide an overview of sponsored research revenue garnered from other sectors of Campus Alberta. The data collected for this report provide information consistent with the overall sponsored research revenue totals reported by the CARIs to the Canadian Association of University Business Officers (CAUBO). This report details a six year span of CARI sponsored research revenue data, extending back to 2004-05.

Sponsored research revenues are those funds garnered outside of regular university operating grants. These research contracts, grants and donations are used to support the operating and infrastructure costs of research activities at the universities. The data in this report are provided directly to the GoA by the CARIs and are derived from a combination of audited financial schedules and supplemental financial reports.

FOSTERING RESEARCH EXCELLENCE

The GoA supports the key role that the research activities at Alberta's CARIs play in shaping Alberta's future as a province with a more diversified economy, increased innovation and competitiveness and more sustainable economic growth. The *Government of Alberta Strategic Business Plan: 2010-13* places a high priority on building Alberta's next generation economy – knowledge-based, value-added, innovative, globally competitive and resilient.[1] To that end, the GoA supports world class research and innovation in Campus Alberta, including investments in the priority areas of the bioeconomy, energy and the environment, health, technology development and commercialization, and other research and development opportunities. Alberta continues to build research and innovation capacity in key areas, such as nanotechnology, information and communications technology, and omics, through contributions from EAE and the Alberta Innovates (AI) corporations – Alberta Innovates – Bio Solutions (AI-Bio), Alberta Innovates – Energy and Environment Solutions (AI-EES), Alberta Innovates – Health Solutions (AI-HS), and Alberta Innovates – Technology Futures (AI-TF).

[1] This report refers to the Government of Alberta and Enterprise and Advanced Education plans that were in place for this reporting period.

SUMMARY OF STATISTICS [2]

The following summary presents revenue data from Alberta's CARIs – the Universities of Alberta, Calgary, Lethbridge and Athabasca University – which receive research funding from a variety of sources, including provincial and federal funding programs, industry, non-profits, endowments and international jurisdictions, highlighting the competitiveness of the research capabilities in the province. Sponsored research revenue from all sources for the 2009-10 fiscal year were $818.5 million, a 3.4% increase from 2008-09 (Table 1).

Total sponsored research revenue for each of the four CARIs has increased over the last six years with the University of Alberta remaining the largest recipient of research sponsorship among the CARIs at 62.7% of the total, followed by the University of Calgary at 34.6%, the University of Lethbridge at 2.1%, and Athabasca University at 0.6% (Table 1).

Government of Alberta

Total research sponsorship to the four CARIs from the provincial government decreased by 0.7% from 2008-09 to $269.2 million in 2009-10, representing 32.9% of all research sponsorship at Alberta's CARIs in that year. This decrease is due to the completion of major dedicated research construction projects at the University of Alberta. The impact of this decrease was offset by modest increases across all other GoA sources (Table 2).

The Ministry of EAE, including the AI corporations, increased research sponsorship funding by 14.9%, from $130.9 million in 2008-09 to $150.4 million in 2009-10.

Given the transition to AI, distinct reporting of revenues garnered by the CARIs from the AI corporations is not available prior to 2009-10. In 2009-10, AI corporations contributed $109.0 million or 40.5% of all research sponsorship provided by the GoA.

In 2009-10, of the $109.0 million invested in research from the AI corporations, AI-HS was the largest contributor to the CARIs at 59.0%, followed by AI-TF at 35.2%, AI-EES at 3.7%, and AI-Bio at 2.1% (Table 2).

Federal Government

Federal government research sponsorship decreased by 3.9% to $294.3 million in 2009-10 and remains the lead source of research revenue for the Alberta CARIs, representing 36% of all research sponsorship in 2009-10 (Table 3).

Since 2004-05, two federal government sources, the Natural Sciences and Engineering Research Council (NSERC) and the Canadian Institutes of Health Research (CIHR) have contributed, on average, 52.0% of all federal research sponsorship revenue garnered by Alberta's CARIs. In 2009-10, NSERC represented 27.5% of the federal sponsorship revenue garnered by the CARIs while the CIHR represented 26.6% (Table 3).

[2] All figures are based on information provided in the four summary tables on pages 16 to 21 of the report.

Other Government Jurisdictions

Other government jurisdictions provided 2.3% of all research sponsorship to the CARIs in 2009-10, totaling $18.9 million, with 61.5% of other government jurisdiction funding garnered by the University of Alberta, 33.7% garnered by the University of Calgary, and 4.8% garnered by the University of Lethbridge. Other government jurisdiction research sponsorship revenue reported by Athabasca University remained at 0% (Table 1).

Non-Government Sources

In 2009-10, research sponsorship from non-government sources to Alberta CARIs increased by 20.9% to $236 million. Non-government sources represent 28.8% of all CARI research sponsorship revenue for 2009-10 (Figure 2 and Table 4).

Consistent with the historical variability of this revenue source, industry is the only category of non-government research sponsorship to decrease between 2008-09 and 2009-10, from $102.2 million to $84.3 million.

The non-profit sector research sponsorship has steadily grown from $54.6 million in 2004-05 to $91.6 million in 2009-10. The non-profit sector represents 38.8% of all non-government research revenue garnered by Alberta's CARIs for 2009-10. (Figure 2 and Table 4).

ENTERPRISE AND ADVANCED EDUCATION'S SUPPORT OF RESEARCH

The GoA has enhanced the research capacity at Alberta's CARIs by investing in world-class research facilities and in Alberta researchers, enabling the province to attract, retain and develop highly skilled workers to build and sustain a diversified knowledge economy. In 2009-10, Alberta continued to build research and innovation capacity in key areas through contributions from EAE, AI-Bio, AI-EES, AI-HS and AI-TF.

Operating Grant

EAE provides an operating grant to the CARIs, which includes funding for teaching, research and administrative activities. The 2009-10 operating grants to Alberta's four CARIs totaled $1.16 billion. EAE estimates that approximately 40% of the CARIs' operating grants directly or indirectly supports research activities in the form of research-related administration and support services, maintenance and repair of equipment, operating costs and some direct research costs not covered by the research sponsorship programs detailed in this report.

Support for Research Capacity

Over this reporting period, EAE administered two key programs to support building and maintaining research capacity at Campus Alberta institutions and to leverage federal funding for key Alberta initiatives. The Alberta Science and Research Investments Program (ASRIP) and the Small Equipment Grants Program (SEGP) are competitive infrastructure and equipment funding programs which support research excellence, build innovation capacity and promote initiatives of strategic benefit to Alberta. In 2008-09, over $44.1 million for 18 projects was committed through the ASRIP to provide multi-disciplinary teams with strategic, fundamental research equipment related to maintaining or enhancing Alberta's research and innovation system. During the same time period, the SEGP awarded $6.9 million to support 29 strategic projects that bolster recruitment and retention of top faculty at Alberta's CARIs. This total $51 million commitment will be reported in future iterations of this report as an EAE source, given that committed funding is profiled over the terms of the awards.

AI corporations' sponsored research investments presented in this report are limited to the 2009-10 reporting period due to the recent reorganization of the Alberta research and innovation system and related limitations of the CARIs' reporting categories (See Table 2, page 17). Prior to 2009-10, AI predecessor organizations, ASRIP, SEGP, and other EAE strategic research investments were consolidated into the single category of EAE.

Alberta Innovates

As of January 2010, under the banner of AI, the Alberta government realigned its operational research funding through the creation of four new corporations to build on Alberta's strengths in the bioeconomy, energy, environment, health and technology sectors. These AI corporations include AI-Bio, AI-EES, AI-HS and AI-TF. The new corporations are funded by the Alberta government to be catalysts of innovation.

Alberta Innovates – Bio Solutions

Alberta Innovates – Bio Solutions (AI-Bio) builds on the strengths and successes of the former Alberta Agricultural Research Institute, Alberta Forestry Research Institute, Alberta Life Sciences Institute and the Alberta Prion Research Institute. AI-Bio is Alberta's leading agency for coordination and support of agricultural, forestry and life sciences research and technology.

Alberta Innovates – Energy and Environment Solutions

Alberta Innovates – Energy and Environment Solutions (AI-EES) is the lead agency for energy and environmental research in Alberta. AI-EES brings together the former Alberta Energy Research Institute and the Alberta Water Research Institute to implement strategies and innovations in order to preserve and enhance Alberta's economic, environmental and social well-being. AI-EES also leads the review process for Climate Change and Emissions Management Corporation project funding.

Alberta Innovates – Health Solutions

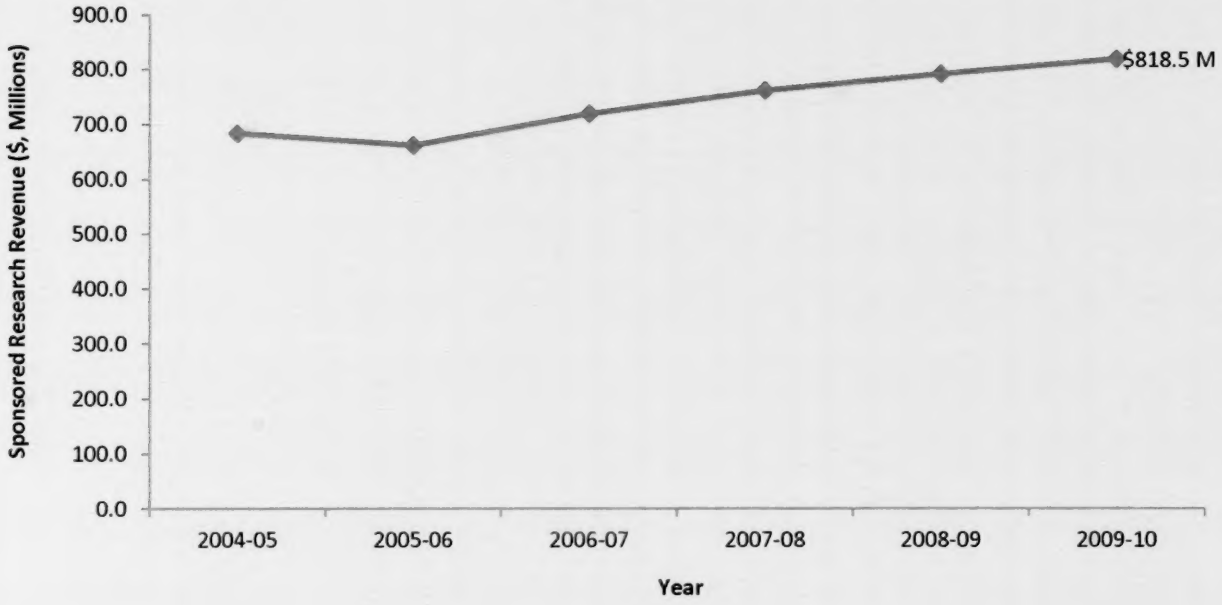
Alberta Innovates – Health Solutions (AI-HS) supports top quality, internationally competitive health research that seeks to further our understanding of health and disease, and to produce results that will make a difference to health, and to the economic and social well-being of Albertans and people around the world.

Alberta Innovates – Technology Futures

Alberta Innovates – Technology Futures (AI-TF) helps industries find solutions, develop products and move technologies to market. AI-TF brings together the former Alberta Research Council, the Alberta Ingenuity Fund, the informatics Circle of Research Excellence and nanoAlberta to build on Alberta's already established advantage in platform technologies - nanotechnology, information and communications technologies and omics - to enhance the technical capacity within Alberta's high-tech companies. AI-TF facilitates access to the strengths of key partners that help support commercialization and grow new ventures. AI-TF also invests in, and attracts, research and entrepreneurial talent who can support these priorities.

TOTAL SPONSORED RESEARCH REVENUE (Table 1)

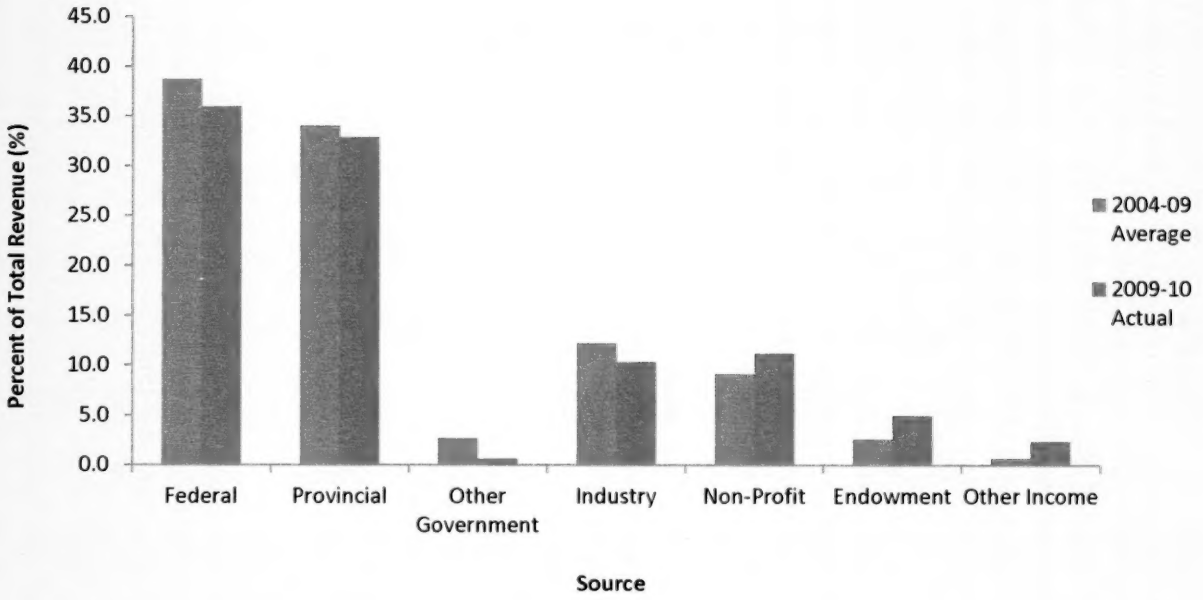
Figure 1: Total Sponsored Research Revenue at Alberta's Comprehensive Academic and Research Institutions



- From 2004-05 to 2009-10, Alberta's CARIs received a total of $4.4 billion in sponsored research funding from all funding sources.
- In 2009-10, Alberta's four CARIs received $818.5 million in sponsored research funding, an increase of 3.4% from $791.2 million in 2008-09 and an increase of 19.8% from $683.4 million when compared to 2004-05.
- In 2005-06, Alberta's CARIs experienced a slight decrease in research revenue due to a 52.3% decrease in provincial funding from the previous year. This decrease was based on the fulfillment of capital commitments, including the health research facilities at the University of Alberta and the University of Calgary, and the National Institute for Nanotechnology.

PERCENTAGE OF TOTAL SPONSORED RESEARCH REVENUE BY SOURCE (Table 1and 4)

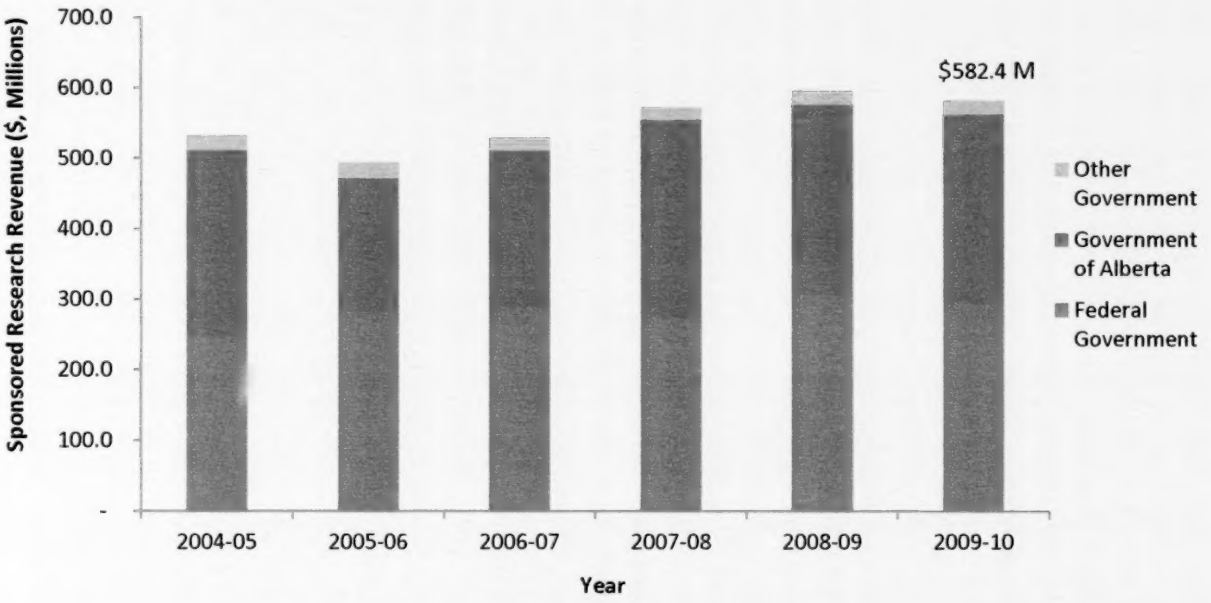
Figure 2: Percent of Total Sponsored Research Revenue by Source for 2004-09 (Five Year Average) and 2009-10



- In comparing 2009-10 to the 2004-09 five year average, the proportions of research funding to Alberta's CARIs from non-profit, endowment and other income sources are up. The same time period comparison shows that the proportion of research funding from federal government, provincial government, other government, and industry sources are down in 2009-10.

GOVERNMENT SUPPORT FOR SPONSORED RESEARCH (Tables 1, 2 and 3)

Figure 3: Sponsored Research Revenue from Government Sources



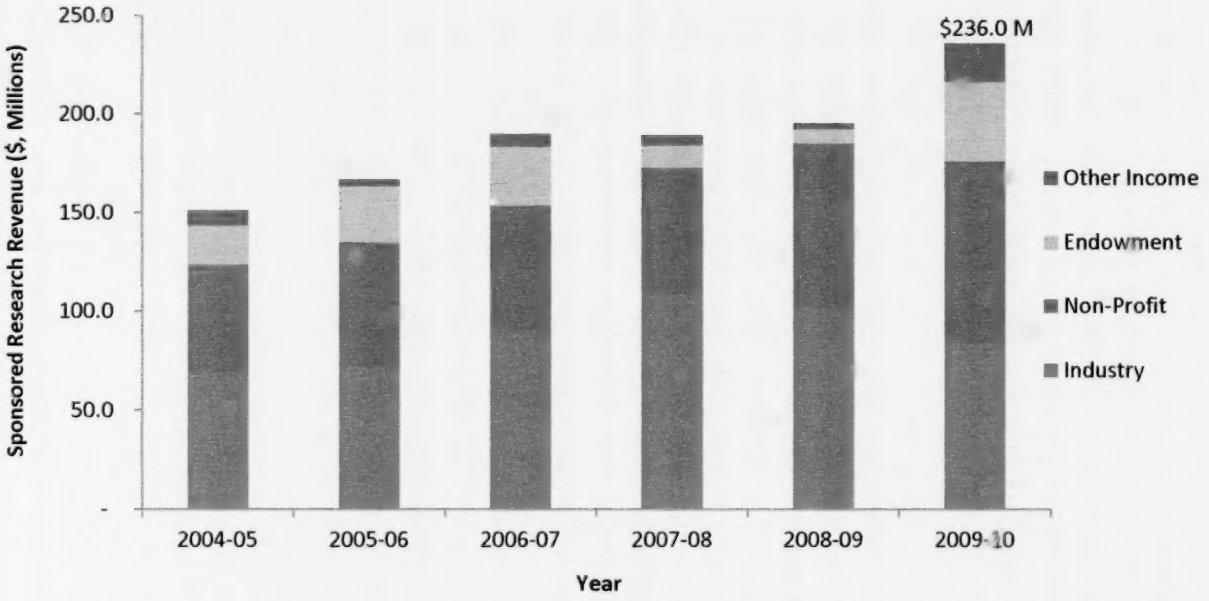
- Funding from federal sources increased by 18.9%, from $247.5 million in 2004-05 to $294.3 million in 2009-10. Between 2008-09 and 2009-10, federal funding decreased by 3.8%. This overall decrease is based on funding declines across all federal research funding sources with the exception of the Canada Foundation for Innovation.

- Annual funding from provincial sources increased by 1.7% when comparing 2004-05 to 2009-10, rising from $264.7 million to $269.2 million. From 2008-09 to 2009-10, provincial funding decreased by 0.7%. The decrease in 2009-10 is due to the completion of dedicated research construction projects at the University of Alberta. The impact of this decrease was offset by modest increases across all other GoA sources.

- Funding from other government sources decreased by 5.8%, or $1.2 million, from $20.1 million in 2004-05 to $18.9 million in 2009-10. Between 2008-09 and 2009-10 other government sources decreased by 0.9%.

NON-GOVERNMENTAL SUPPORT FOR SPONSORED RESEARCH (Table 4)

Figure 4: Sponsored Research Revenue from Non-Government Sources



- Between 2004-05 and 2009-10, the total amount of sponsored research funding provided by non-government sources to Alberta's CARIs was $1.1 billion.

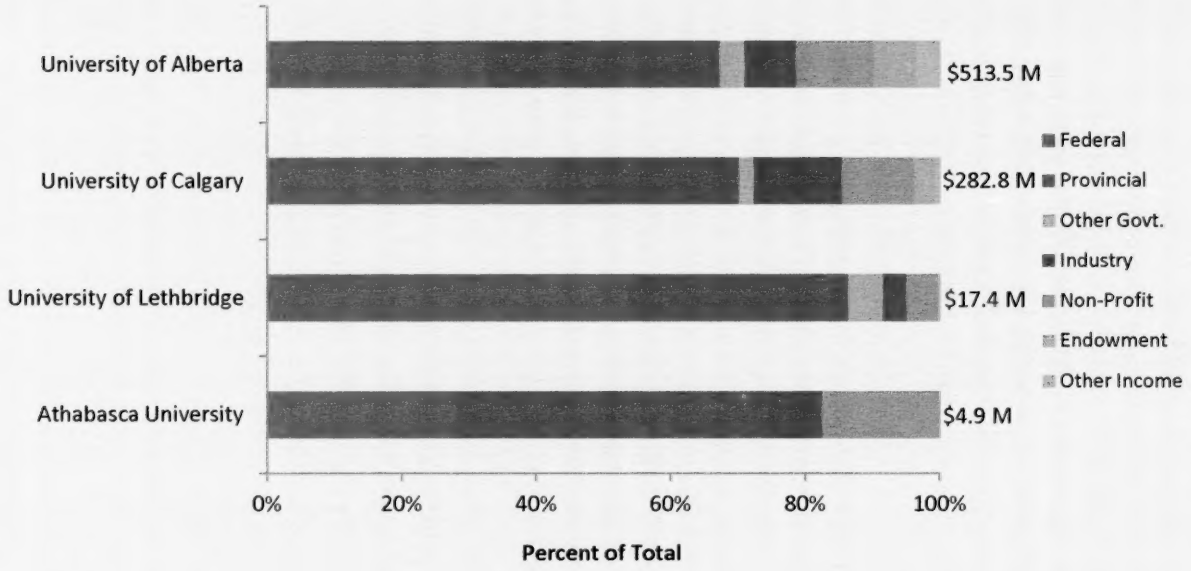
- In the last 5 years, industry support for research at Alberta's CARIs has been variable but shows an upward trend, increasing by 21.7%, from $69.2 million to $84.3 million since 2004-05. Industry investment went from a low of $69.2 million in 2004-05 to a high of $108.1 million in 2007-08. In 2009-10, industry investment decreased by 17.5% over the previous year.

- The total amount invested by non-profit sources has steadily increased in the past six years, starting at $54.6 million in 2004-05 and growing to $91.6 million in 2009-10, an increase of 67.7%. From 2008-09 to 2009-10, non-profit sector support increased by 10.3%, from $83 million.

- Endowments accounted for 17.2% of all non-government source research revenue in 2009-10, or $40.5 million, up 476.6% from 2008-09. The CARIs have discretion to allocate endowment revenue toward a variety of activities, including research. Consequently, research sponsorship derived from endowment sources are not necessarily an indicator of the performance of the endowment. Endowment income used for activities other than research is not reflected in this report.

SPONSORED RESEARCH REVENUE AT INDIVIDUAL INSTITUTIONS BY SOURCE (Table 1and 4)

Figure 5: Total Sponsored Research Revenue by Institution and by Source (2009-10)



- The University of Alberta received 35% of its sponsored research funding from provincial government sources in 2009-10, a decrease from 2008-09, when it represented 38.4% of the total. Nearly one third of the provincial funding to the University of Alberta in 2009-10, $57.6 million, supported research-related capital initiatives (See note - Table 2). Federal government support of research at the University of Alberta constituted 32.3% of the total in 2009-10, a slight decrease from 2008-09, when it represented 34.6% of the total. The main sources of federal funding for the University of Alberta were NSERC and CIHR in both 2008-09 and 2009-10, combined at 52.6% and 53.6% of the federal total by respective fiscal years.

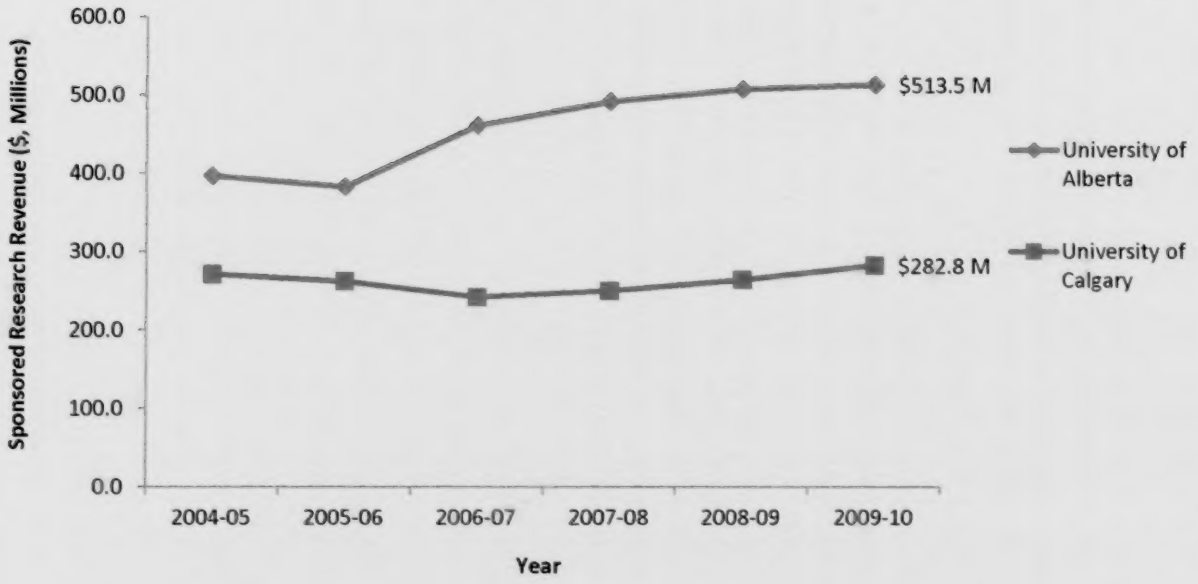
- Funding to the University of Calgary from provincial sources in 2009-10 was 28.6% of its total sponsored research revenue, which is slightly above 2008-09 when it represented 27% of the total. The sponsored research revenue provided from federal sources represented 41.7% of the University of Calgary's revenue total in 2009-10, slightly down from 45.4% in 2008-09. The main sources of federal funding for the University of Calgary were the NSERC and the CIHR research funding agencies in both 2008-09 and 2009-10, combined at approximately 56% of the federal total in each fiscal year.

- In 2009-10, the University of Lethbridge received 32.6% of its sponsored research funding from provincial sources, an increase from 2008-09 when it represented 28.3% of the institution's total sponsored research revenue. The federal government sources provided 53.5% of the total sponsored research revenue, down from 57.5% in 2008-09. The main sources of federal funding for the University of Lethbridge were the NSERC and the Indirect Costs Program in both 2008-09 and 2009-10. The research funding provided by industry, non-profit, endowment, other government and other income sources decreased slightly from 2008-09 to 2009-10. In aggregate, funding by these sources decreased from 14.2% to 13.9%.

- Athabasca University received the highest proportion (46.4%) of its 2009-10 sponsored research funding from the provincial government. In 2008-09 provincial government sponsorship represented 15.7% of the total. Non-profit sources provided 17.4% of Athabasca University's total research revenue in 2009-10, a decrease over their previous year funding of 31.2%. Industry source funding at Athabasca University decreased significantly, from 28% of the total sponsored research revenue in 2008-09 to 8% in 2009-10. Federal sources provided the second highest proportion of funding in 2009-10 at 28.1%, a slight increase over the 25% of total sponsored research revenue derived from federal sources in 2008-09.

SPONSORED RESEARCH REVENUE AT INDIVIDUAL INSTITUTIONS (Table 1)

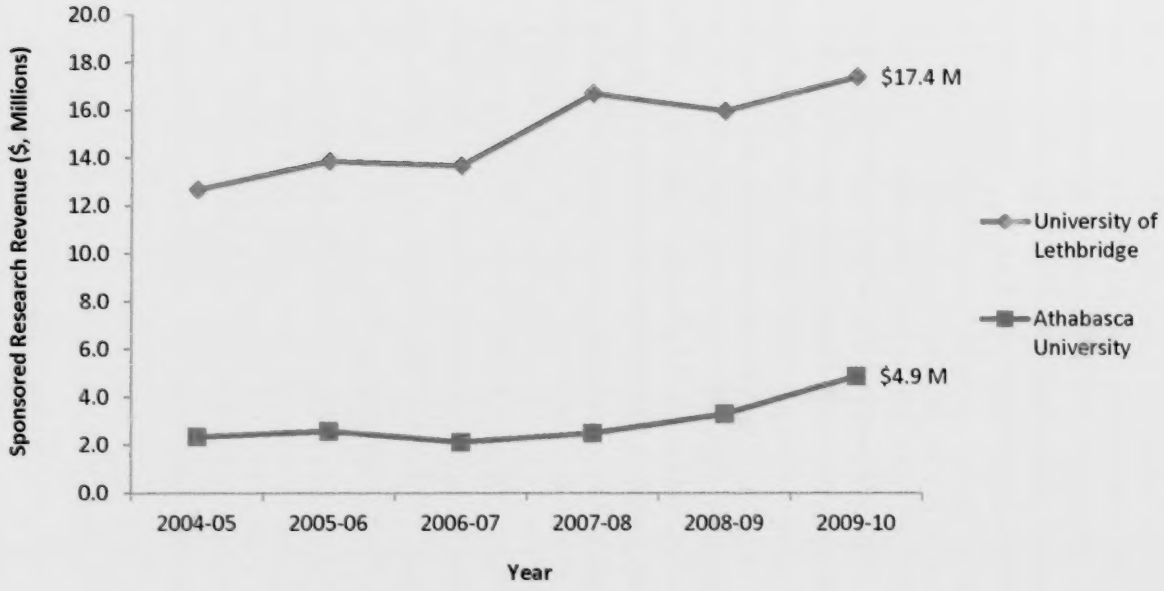
Figure 6A: Total Sponsored Research Revenue at the University of Alberta and the University of Calgary



- In 2009-10, total sponsored research funding to the University of Alberta was $513.5 million, an increase of 29.4% over the 2004-05 amount of $396.9 million. The majority of the increase in revenue between 2008-09 and 2009-10 is attributed to non-profit, endowment and other income sources, leading to an overall increase of approximately $5.9 million from 2008-09 funding.

- In 2009-10, the University of Calgary received $282.8 million in total sponsored research funding, slightly more than the $271.5 million received in 2004-05. For the past six years, the level of sponsored research revenue at the University of Calgary has varied slightly from year to year increasing by 7% between 2008-09 to 2009-10.

Figure 6B: Total Sponsored Research Revenue at the University of Lethbridge and Athabasca University



- In 2009-10, total sponsored research funding at the University of Lethbridge was $17.4 million, a small increase from $16.0 million in the previous year. Since 2004-05, total sponsored research funding at the University of Lethbridge has increased by 37%, from $12.7 million to $17.4 million in 2009-10.

- In 2009-10, Athabasca University received $4.9 million in total sponsored research funding, an increase of approximately $1.6 million from 2008-09. The increase is mainly attributed to non-profit, provincial and federal sources. Since 2004-05, total sponsored research funding at Athabasca University has more than doubled.

SPONSORED RESEARCH REVENUE DATA TABLES

Table 1: Summary of All Sources ($, thousands)

Sources	Institution	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Government of Alberta	Alberta	154,085	101,644	167,124	211,508	194,745	180,485
	Calgary	107,537	82,582	54,018	66,645	71,269	80,784
	Lethbridge	2,663	4,319	2,627	2,725	4,511	5,673
	Athabasca	463	548	20	50	517	2,259
	Total	**264,748**	**189,093**	**223,789**	**280,928**	**271,042**	**269,201**
Federal Government	Alberta	149,733	170,509	175,874	165,440	175,841	165,822
	Calgary	87,814	102,541	102,387	96,109	120,062	117,822
	Lethbridge	8,548	8,008	9,012	11,863	9,174	9,295
	Athabasca	1,395	1,742	840	698	822	1,369
	Total	**247,490**	**282,800**	**288,113**	**274,110**	**305,899**	**294,308**
Other Government Jurisdictions	Alberta	16,332	18,878	11,502	11,361	14,714	11,640
	Calgary	2,900	3,322	5,711	5,232	4,199	6,372
	Lethbridge	854	711	466	150	172	905
	Athabasca	-	-	-	-	-	-
	Total	**20,086**	**22,911**	**17,679**	**16,743**	**19,085**	**18,917**
Non-Government Sources	Alberta	76,717	91,779	106,896	103,433	122,313	155,526
	Calgary	73,262	73,770	80,005	82,046	68,828	77,774
	Lethbridge	613	819	1,558	1,945	2,098	1,504
	Athabasca	485	286	1,255	1,744	1,949	1,236
	Total	**151,077**	**166,654**	**189,714**	**189,168**	**195,188**	**236,040**
All Sources	Alberta	396,867	382,810	461,396	491,742	507,613	513,473
	Calgary	271,513	262,215	242,122	250,032	264,358	282,752
	Lethbridge	12,678	13,857	13,663	16,683	15,955	17,377
	Athabasca	2,343	2,576	2,115	2,492	3,288	4,864
	Total	**683,401**	**661,458**	**719,296**	**760,949**	**791,214**	**818,466**

Table 2: Government of Alberta Sources ($, thousands)

Sources	Institution	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Enterprise and Advanced Education[3]	Alberta	58,085	62,505	81,810	88,927	74,441	22,274
	Calgary	36,546	63,605	42,643	46,852	52,798	16,266
	Lethbridge	2,060	3,774	1,997	2,031	3,248	959
	Athabasca	309	69	-	-	438	1,877
	Total	**97,000**	**129,953**	**126,450**	**137,810**	**130,925**	**41,376**
Alberta Innovates – Bio Solutions	Alberta						2,615
	Calgary						(549)
	Lethbridge						185
	Athabasca						-
	Total						**2,251**
Alberta Innovates – Energy and Environment Solutions	Alberta						2,263
	Calgary						1,026
	Lethbridge						726
	Athabasca						-
	Total						**4,015**
Alberta Innovates – Health Solutions	Alberta						34,707
	Calgary						27,662
	Lethbridge						1,794
	Athabasca						172
	Total						**64,335**
Alberta Innovates – Technology Futures	Alberta						23,574
	Calgary						13,751
	Lethbridge						905
	Athabasca						204
	Total						**38,434**

Table 2 continued on next page...

[3] Enterprise and Advanced Education data for the 2004-05 to 2008-09 reporting years includes revenue garnered from the four Alberta Innovates corporations. The aggregate total revenue for the 2009-10 funding year is $150.4 million. The shift in reporting relates to the launch of Alberta Innovates in January 2010.

Table 2: Government of Alberta Sources ($, thousands) continued...

Sources	Institution	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Capital Initiatives to Support Research Activities[4]	Alberta	80,353	27,800	40,817	91,400	86,103	57,620
	Calgary	-	-	-	4,900	-	-
	Lethbridge	-	-	-	-	-	-
	Athabasca	-	-	-	-	-	-
	Total	**80,353**	**27,800**	**40,817**	**96,300**	**86,103**	**57,620**
Other Government of Alberta	Alberta	15,647	11,339	44,497	31,181	34,201	37,432
	Calgary	70,991	18,977	11,376	14,893	18,471	22,628
	Lethbridge	603	545	630	694	1,263	1,103
	Athabasca	154	479	20	50	79	6
	Total	**87,395**	**31,340**	**56,523**	**46,818**	**54,014**	**61,169**
All Government of Alberta Sources	Alberta	154,085	101,644	167,124	211,508	194,745	180,485
	Calgary	107,537	82,582	54,018	66,645	71,269	80,784
	Lethbridge	2,663	4,319	2,627	2,725	4,511	5,673
	Athabasca	463	548	20	50	517	2,259
	Total	**264,748**	**189,093**	**223,789**	**280,928**	**271,042**	**269,201**

[4] Institutional differences in reporting are due to accounting decisions made at the institutional level. CAUBO reporting guidelines allow for flexibility to report revenue related to capital as either infrastructure or sponsored research revenue as deemed appropriate by the institution. Data reported to CAUBO will relate directly to the institution's audited financial statements.

Table 3: Federal Government Sources ($, thousands)

Sources	Institution	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Social Sciences and Humanities Research Council (SSHRC)	Alberta	9,738	9,038	10,168	11,182	13,520	11,523
	Calgary	12,876	10,908	7,525	13,853	11,167	10,333
	Lethbridge	663	769	486	749	713	631
	Athabasca	186	232	122	100	62	135
	Total	**23,463**	**20,947**	**18,301**	**25,884**	**25,462**	**22,622**
Natural Sciences and Engineering Research Council (NSERC)	Alberta	41,493	38,130	43,426	48,537	46,596	45,579
	Calgary	20,641	24,584	23,930	24,873	34,289	32,227
	Lethbridge	2,969	2,704	2,963	3,241	3,262	3,048
	Athabasca	106	132	76	7	89	113
	Total	**65,209**	**65,550**	**70,395**	**76,658**	**84,236**	**80,967**
Canadian Institutes of Health Research (CIHR)	Alberta	37,493	36,072	39,896	42,661	45,939	43,249
	Calgary	28,727	31,265	31,509	28,555	32,952	34,196
	Lethbridge	437	556	559	701	731	813
	Athabasca	-	-	-	-	-	94
	Total	**66,657**	**67,893**	**71,964**	**71,917**	**79,622**	**78,352**
Canada Foundation for Innovation (CFI)	Alberta	14,492	28,617	33,803	11,397	21,818	28,268
	Calgary	8,709	10,154	14,797	2,706	2,634	17,021
	Lethbridge	1,099	924	1,566	470	615	871
	Athabasca	280	350	-	27	103	69
	Total	**24,580**	**40,045**	**50,166**	**14,600**	**25,170**	**46,229**
Canada Research Chairs Program (CRC)	Alberta	10,288	13,634	15,026	,14,980	13,775	13,716
	Calgary	7,275	8,835	5,591	2,100	2,750	4,025
	Lethbridge	625	775	950	1,000	1,050	1,075
	Athabasca	300	375	300	225	225	300
	Total	**18,488**	**23,619**	**21,867**	**18,305**	**17,800**	**19,116**

Table 3 continued on next page...

Table 3: Federal Government Sources ($, thousands) continued...

Sources	Institution	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Indirect Costs Program	Alberta	14,177	14,722	17,257	17,648	17,767	16,762
	Calgary	-	-	11,227	12,537	12,738	12,174
	Lethbridge	1,058	1,174	1,404	1,533	1,694	1,817
	Athabasca	120	125	121	146	160	182
	Total	**15,355**	**16,021**	**30,009**	**31,864**	**32,359**	**30,935**
Other Federal	Alberta	22,052	30,296	16,298	19,035	16,426	5,742
	Calgary	9,586	16,795	7,809	11,485	23,532	7,699
	Lethbridge	1,697	1,106	1,084	4,169	1,109	1,007
	Athabasca	403	528	221	193	183	476
	Total	**33,738**	**48,725**	**25,412**	**34,882**	**41,250**	**14,942**
All Federal Government Sources	Alberta	149,733	170,509	175,874	165,440	175,841	165,822
	Calgary	87,814	102,541	102,388	96,109	120,062	117,822
	Lethbridge	8,548	8,008	9,012	11,863	9,174	9,295
	Athabasca	1,395	1,742	840	698	822	1,369
	Total	**247,490**	**282,800**	**288,114**	**274,110**	**305,899**	**294,308**

Table 4: Non-Government Sources ($, thousands)

Source	Recipient	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Industry	Alberta	32,070	37,848	51,221	68,651	67,967	46,645
	Calgary	36,936	33,677	38,051	37,338	32,516	36,636
	Lethbridge	229	262	561	751	794	605
	Athabasca	-	-	704	1342	922	389
	Total	**69,235**	**71,787**	**90,537**	**108,082**	**102,199**	**84,275**
Non-Profit	Alberta	24,282	31,392	32,116	28,869	51,401	59,449
	Calgary	29,703	31,405	30,059	34,517	29,892	30,497
	Lethbridge	216	319	634	827	708	813
	Athabasca	415	205	526	401	1,027	847
	Total	**54,616**	**63,321**	**63,335**	**64,614**	**83,028**	**91,606**
Endowment	Alberta	19,476	21,438	21,362	2,838	-	31,733
	Calgary	-	6,982	8,101	8,542	7,022	8,755
	Lethbridge	-	-	-	-	-	-
	Athabasca	-	-	-	-	-	-
	Total	**19,476**	**28,420**	**29,463**	**11,380**	**7,022**	**40,488**
Other Income	Alberta	889	1,101	2,197	3,075	2,945	17,699
	Calgary	6,623	1,706	3,794	1,649	-602	1,886
	Lethbridge	168	238	363	367	596	86
	Athabasca	70	81	25	1	-	-
	Total	**7,750**	**3,126**	**6,379**	**5,092**	**2,939**	**19,671**
All Non-Government Sources	Alberta	76,717	91,779	106,896	103,433	122,313	155,526
	Calgary	73,262	73,770	80,005	82,046	68,828	77,774
	Lethbridge	613	819	1,558	1,945	2,098	1,504
	Athabasca	485	286	1,255	1,744	1,949	1,236
	Total	**151,077**	**166,654**	**189,714**	**189,168**	**195,188**	**236,040**

Sources for all data:

The University of Alberta, Research Services Office; the University of Calgary, Research Services; the University of Lethbridge, Financial Services; and Athabasca University, Office of the Vice-President, Academic.

DEFINITIONS – REVENUE SOURCES

The data collected for this report provide information consistent with the overall sponsored research revenue totals reported by the Comprehensive Academic Research Institutions (CARIs) to the Canadian Association of University Business Officers (CAUBO).

Sponsored research revenues are those funds garnered outside of regular university operating grants. These research contracts, grants, and donations are used to support the operating and infrastructure costs of research activities at the universities. The data in this report are provided directly to the GoA by the CARIs and are derived from a combination of audited financial schedules and supplemental financial reports.

Government of Alberta – Revenue from GoA departments and agencies including schools, universities, colleges and hospitals.

- **Alberta Innovates – Bio Solutions (AI-Bio)** – Revenue from Alberta Innovates – Bio Solutions (formerly Alberta Forestry Research Institute, Alberta Life Sciences Institute, Alberta Agricultural Research Institute and the Alberta Prion Research Institute).
- **Alberta Innovates – Energy and Environment Solutions (AI-EES)** – Revenue from Alberta Innovates - Energy and Environment Solutions (formerly Alberta Energy Research Institute and the Alberta Water Research Institute).
- **Alberta Innovates – Health Solutions (AI-HS)** – Revenue from AI-HS (formerly Alberta Heritage Foundation for Medical Research).
- **Alberta Innovates – Technology Futures (AI-TF)** – Revenue from Alberta Innovates – Technology Futures (formerly Alberta Ingenuity, Informatics Circle of Research Excellence, Alberta Research Council and nanoAlberta).
- **Enterprise and Advanced Education (EAE)** – Revenue from the Department of Enterprise and Advanced Education (Alberta Science and Research Investments Program, Small Equipment Grant Program, and Advanced Technology Industries funding).
- **Capital Initiatives to Support Research Activities** – The use of revenue for research-specific capital made available to CARI institutions by the GoA through capital funding. [5]
- **Other Government of Alberta** – Revenue from all other Government of Alberta sources not captured in the preceding categories.

[5] Reporting for capital as detailed in the CAUBO Financial Information of Universities and Colleges guidelines applies to this category.

Federal Government – Revenue from Government of Canada sources.

- **Social Sciences and Humanities Research Council (SSHRC)** – Revenue from all Social Sciences and Humanities Research Council programs.
- **Natural Sciences and Engineering Research Council (NSERC)** – Revenue from all Natural Sciences and Engineering Research Council programs.
- **Canadian Institutes of Health Research (CIHR)** – Revenue from all Canadian Institutes of Health Research programs.
- **Canada Foundation for Innovation (CFI)** – Revenue from all programs of the Canada Foundation for Innovation (including CFI infrastructure awards to Canada Research Chair holders).
- **Canada Research Chairs Program (CRC)** – Revenue from the Canada Research Chairs program.
- **Indirect Costs Program (ICP)** – Revenue from the federal Indirect Costs Program.[6]
- **Other Federal** – Revenue from all other federal government sources and agencies not captured in the preceding categories (e.g., Health Canada, Canada Space Agency, etc.).[6]

Other Government Jurisdictions – Revenue from all government sources other than the Government of Alberta (including non-Alberta schools, universities, colleges and hospitals) and Canadian federal government sources, municipal governments, other provinces, and foreign governments.

Non-Government Sources – Revenue from industry, non-profits, endowments and other income sources.[7]

- **Industry** – Refers to sponsored research revenue obtained from industry and business sources. This category includes donations, grants and contracts from individuals and business enterprises.[8]
- **Non-Profit** – Refers to sponsored research revenue obtained from non-profit and community organizations. This category includes donations, grants and contracts from non-profit and community organizations.
- **Endowment** – Refers to the range of endowment revenue garnered by the CARI institutions from donors. Investment income generated by endowments may be used for various purposes, with these purposes often restricted by donors.
- **Other Income** – Refers to sponsored research revenue obtained from the sale of services and products, and miscellaneous.

[6] The CAUBO Financial Information of Universities and Colleges report does not separate ICP from Other Federal revenue.
[7] The CAUBO Financial Information of Universities and Colleges report separates categories of non-government sources for municipal, other provinces, and foreign.
[8] The CAUBO Financial Information of Universities and Colleges report identifies donations, grants and contracts as two distinct categories.